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PECEIVED CENTRAL PAX CENTER SEP 1 2 2008

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A primary alkaline battery, comprising:

a cathode comprising between about 82% and about 92% of manganese dioxide by weight and between 6% and 10% of carbon fibers by weight;

an anode comprising zinc;

a separator; and

an alkaline electrolyte.

- 2-8. (Cancelled)
- 9. (Previously Presented) The battery of claim 1, wherein the cathode comprises less than about 90% of manganese dioxide by weight.
- 10. (Previously Presented) The battery of claim 1, wherein the cathode comprises less than about 88% of manganese dioxide by weight.
 - 11. (Cancelled)
- 12. (Previously Presented) The battery of claim 1, wherein the cathode comprises between about 84% and about 90% of manganese dioxide by weight.
- 13. (Original) The battery of claim 1, wherein the carbon fibers have an average diameter less than about 300 nanometers.

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14. (Original) The battery of claim 1, wherein the carbon fibers have an average diameter between about 100 nanometers and about 250 nanometers.

- 15. (Original) The battery of claim 1, wherein the carbon fibers have an average diameter less than about 250 nanometers.
- 16. (Previously Presented) The battery of claim 1, wherein the carbon fibers are heat-treated carbon fibers.
- 17. (Original) The battery of claim 16, wherein the carbon fibers have been heat treated at a temperature greater than about 2000 °C.
- 18. (Previously Presented) The battery of claim 16, wherein the carbon fibers have been heated treated at a temperature between about 2600 °C and about 3100 °C.
- 19. (Original) The battery of claim 1, wherein the carbon fibers have a length less than about 2×10^5 nanometers.
- 20. (Original) The battery of claim 1, wherein the carbon fibers have an average length between about 500 nanometers and about 200,000 nanometers.
- 21. (Original) The battery of claim 1, wherein the carbon fibers have an average length between about 70,000 nanometers and about 100,000 nanometers.
- 22. (Original) The battery of claim 1, wherein the carbon fibers have between about 1 and about 500 layers of graphite.
- 23. (Original) The battery of claim 22, wherein the carbon fibers have between about 40 and about 100 layers of graphite.

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24. (Original) The battery of claim 1, wherein the carbon fibers have an average external surface area between about 10 m²/g and about 50 m²/g.

- 25. (Original) The battery of claim 1, wherein the carbon fibers have a surface energy between about 50 mJ/m² and about 300 mJ/m².
- 26. (Original) The battery of claim 1, wherein the carbon fibers have a graphitic index of less than about 85%.
- 27. (Previously Presented) The battery of claim 1, wherein the carbon fibers have an average length equal to or greater than an average particle size of the manganese dioxide.
- 28. (Original) The battery of claim 1, wherein the cathode further comprises a surfactant.
- 29. (Previously Presented) The battery of claim 28, wherein the surfactant is selected from the group consisting of polyvinyl alcohol, ethylene-vinyl alcohol, and polyvinylbutyrol.
 - 30. (Cancelled).
- 31. (Currently Amended) A primary alkaline battery, comprising:
 a cathode comprising between about 82% and about 92% of manganese dioxide by
 weight and between 6% and 10% by weight of heat-treated carbon fibers having an average
 diameter less than about 300 nanometers;

an anode comprising zinc; a separator; and an alkaline electrolyte.

32. (Cancelled)

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- 33. (Previously Presented) The battery of claim 31, wherein the cathode comprises between 6% and 7% of carbon fibers by weight.
- 34. (Previously Presented) The battery of claim 31, wherein the cathode has an electrical conductivity at least 3 times greater than a cathode having 6% of graphite by weight.
- 35. (Previously Presented) A primary alkaline battery, comprising: a cathode comprising between about 82% and about 92% of manganese dioxide by weight and between 6% and 10% of heat-treated carbon fibers by weight;

an anode comprising zinc; a separator; and an alkaline electrolyte.

36. (Previously Presented) The battery of claim 35, wherein the cathode comprises between about 84% and about 90% of the manganese dioxide by weight.

37-38. (Cancelled)

- 39. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average diameter less than about 300 nanometers.
- 40. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average diameter between about 100 nanometers and about 250 nanometers.
- 41. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average diameter less than about 250 nanometers.

42. (Cancelled)

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- 43. (Previously Presented) The battery of claim 35, wherein the carbon fibers have been heat treated at a temperature greater than about 2000 °C.
- 44. (Previously Presented) The battery of claim 35, wherein the carbon fibers have been heated treated at a temperature between about 2600 °C and about 3100 °C.
- 45. (Previously Presented) The battery of claim 35, wherein the carbon fibers have a length less than about 2×10^5 nanometers.
- 46. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average length between about 500 nanometers and about 200,000 nanometers.
- 47. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average length between about 70,000 nanometers and about 100,000 nanometers.
- 48. (Previously Presented) The battery of claim 35, wherein the carbon fibers have between about 1 and about 500 layers of graphite.
- 49. (Previously Presented) The battery of claim 48, wherein the carbon fibers have between about 40 and about 100 layers of graphite.
- 50. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average external surface area between about 10 m²/g and about 50 m²/g.
- 51. (Previously Presented) The battery of claim 35, wherein the carbon fibers have a surface energy between about 50 mJ/m² and about 300 mJ/m².
- 52. (Previously Presented) The battery of claim 35, wherein the carbon fibers have a graphitic index of less than about 85%.

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- 53. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average length equal to or greater than an average particle size of the manganese dioxide.
- 54. (Previously Presented) The battery of claim 35, wherein the cathode further comprises a surfactant.
- 55. (Previously Presented) The battery of claim 35, wherein the surfactant is selected from the group consisting of polyvinyl alcohol, ethylene-vinyl alcohol, and polyvinylbutyrol.
 - 56. (Cancelled).
- 57. (Previously Presented) The battery of claim 1, wherein the cathode comprises between 6% and 7% of carbon fibers by weight.
- 58. (Previously Presented) The battery of claim 35, wherein the cathode comprises between 6% and 7% of carbon fibers by weight.